

Seven Navica

Pipelay

subsea 7



The *Seven Navica* is capable of installing both rigid and flexible products in water depths of up to 2,000m, with a top tension capacity of 205t.

- Length 109m x breadth 22m
- 60t offshore crane
- 2,200t main deck mounted storage and deployment reel
- 2-inch to 16-inch diameter rigid pipeline
- An optional 250t piggyback reel can be fitted as required
- 1 x work-class ROV

General Information

Classification	DNV, 1A1, SF, DYNPOS AUTR HL (2.8), DK+, HELDK-S
Built	Aker-Brattvaag, Norway (1999)
Flag State Authority	Isle of Man Government
Port of Registry	Douglas

Dimensions

Overall Length	108.53m
Breadth	22.00m
Depth (main deck)	9.00m
Draught (summer)	7.165m
Draught (tropical)	7.341m
Deadweight	9560t
Gross Tonnage	6,083t
Net Tonnage	1,825t

Manoeuvring and Propulsion Systems

Main Engines / Generators	2 x 2,700kW (Diesel Electric) 2 x 3,600kW (Diesel Electric)
Main Propulsion	2 x 3,000kW contra rotating azimuth thrusters (Aquamaster)
Tunnel Thrusters (bow)	2 x 1,300kW (Kamewa)
Azimuth Thruster (bow)	1 x 1,200kW (Aquamaster retractable)

Dynamic Positioning Systems

DP Classification	DYNPOS AUTR (Class II)
ERN Rating	99.99.99
DP System	Kongsberg Simrad SDP 22
Reference Systems	3 x DGPS 2 x HiPAP 2 x fanbeam 1 x tautwire

Speed / Consumptions

Speed	12 knots at 20t/per day
DP Operations	10t/per day

Tank Capacities (100%)

Fuel Oil	2,683m ³
Fresh Water	1,218m ³
Ballast Water	2,203m ³
Lub. Oil	40.4m ³

Cargo Deck

Deck Area (main deck)	300m ²
Deck Area (mezzanine deck)	180m ²
Deck Strength (main deck)	10t/m ²

Deck Cranes

Main Deck Crane (Main Line)	60t at 18m (double fall) 30t at 29m (single fall)
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The main deck crane (TTS knuckle boom) is certified for man riding operations up to 2.5t. The vessel has a man riding basket suitable for 1.25t man riding operations.

The main deck crane is certified for Ship to Ship Transfers (maximum 15t).

Auxiliary Deck Crane I	3t
Auxiliary Deck Crane II	3t

ROV Systems

ROVs (No. and type): 1 x SCV32, SCV3000 Block 1A
Operating Depth Rating (m): 3000m

ROV Comments: 100HP work-class ROV with Slingsby mk3 Top Hat TMS deployed via A-frame from Starboard Side.

Pipelay Systems

The vessel is fitted with one 2,500t (approx - depending on overall vessel payload) main deck mounted storage and deployment reel. An optional piggyback reel can be fitted as required. A lay ramp system is permanently installed for deployment of a range of products at varying lay angles from 20o to 90o. The lay ramp system comprises of a guide chute, piggyback chute, pipe straightener, 205t tensioner, hold back clamp, roller box, two abandonment and recovery sheaves and two ramp elevators. One 250t and one 50t abandonment and recovery systems are provided.

Accommodation

Double	31
Single	22
Total beds	84

Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19 and is approved for Super Puma helicopter operations (9.3t).

Communication Systems

The vessel is fitted with Inmarsat B and KU Band systems. The KU Band system has the option to be converted to C Band as operational requirements demand.



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